RECEIVED

MAY 08 2023

OFFICE OF WATER

FORM 2: Application for irrigation in South Dakota (type or print)

FILE COPY

PAID

MAY 08 2023

Ck# 2283

Rec't# 05/08/23

Mail to:	No. 8759-3 Hydrologic Unit 10170101
SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	Basin Lewis & Clark Lake Newspaper Tyndall Tribune & Register (Wed) 589-3242 Daily Press & Dakotan (office use only) 605-7811

Application for Permit to Appropriate Water for Irrigation

Type of Application: ☒ **New** ☐ **Vested Right** (Use predates Mar 2, 1955) ☐ **Amendment/Correction to Permit No.** _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Ernest Nammingg

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 40786 310th St (Address) Springfield (City) SD (State) 57062 (Zip Code)

Phone 605-286-3873 Mobile _____ Email _____

2. Amount of water claimed 1.78 *CFS or 800 **GPM _____ ***AF Total Acreage 160

(*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply groundwater aquifer

4. Location of point of diversion SE 1/4 NE 1/4 (approximate center) NE1/4 Section 10 T93N R58W County Bon Homme

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

5. County or counties where water will be used Bon Homme

6. Annual period during which water is to be used April - October

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.

(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NE 1/4 ~~E 1/2 NE~~ Sec 10 T93N R58W	160		

8. Give a description of the project. (Attach sheet if more space is needed)

I, Ernest R. Nammingga (Name of Person) May 3, 2023 (Title (if applicable)), the applicant, certify under penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

11 m NE Tyndall

Form 2A
(Complete applicable portions only)

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 1 Have test holes been drilled? ☒ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)

b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

c) Well Depth **(required)** 53 Depth to Top of Water Bearing Material 150 Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property 1/2 mile Property owned by others 2 miles

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

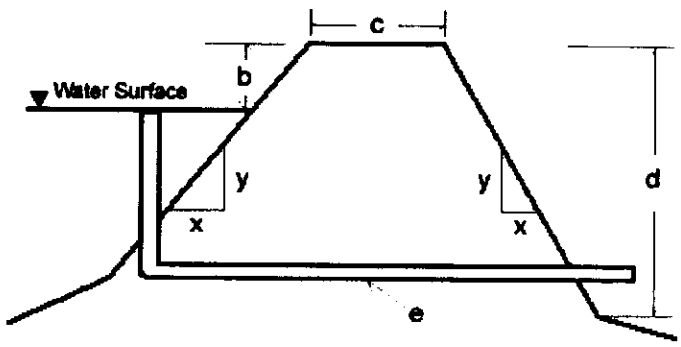
a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

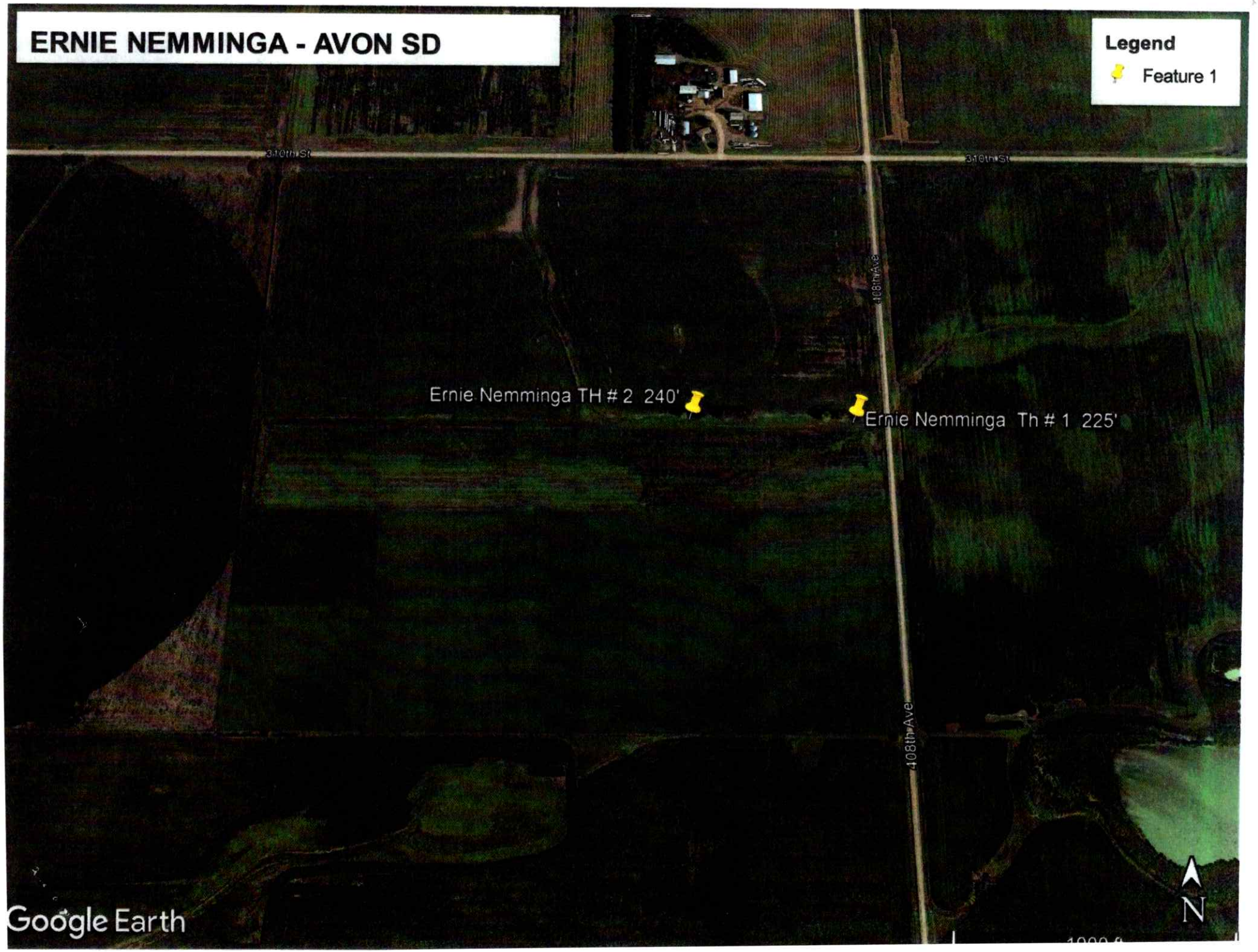
Upstream _____

Downstream _____

h) Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres


ERNIE NEMMINGA - AVON SD
Legend
Feature 1
310th St
310th St
408th Ave
408th Ave
Ernie Nemminga TH # 2 240'
Ernie Nemminga Th # 1 225'
Google Earth
N

SD EForm - 1621LD V1

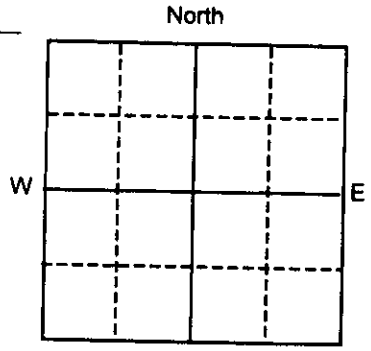
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ NE ¼ Sec 10 Twp 93 Rg 61

County BON HOMME

Please mark well location with an "X"



Well Completion Date

August 29, 2022

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?

ft. from (identify source)

Well Owner: ERNEST NAMMINGA

Business Name:

Address: 40786 310TH ST

City, State, Zip: SPRINGFIELD SD 57062

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
SEE ATTACHED LOG		

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☑ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:
MUD RORARY

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	20	Lb/gal	Ft	240.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter Inches Length Feet

Material

Slot Size Set From Feet to Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

☑ No, Why Not? TEST HOLE ONLY

Lab to which water quality sample sent for analysis

STATIC WATER LEVEL FEET

If flowing: closed in pressure PSI

GPM flow through Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

Ft. After Hrs. pumped GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS
TH # 2 WESTERN MOST

This well was drilled under license # 475 and this report is true and accurate.

Drilling firm: THEIN WELL COMPANY, INCORPORATED

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

Ernie Nemminga TH # 1 Avon SD

Top Soil	0	8
Clay- Gray / Black	8	17
Clay- Brown	17	22
Clay- Gray	22	27
Clay Brown w/ chalk fragments	27	30
Clay Gray	30	76
Chalk Gray Pebbly	76	132
Clay Gray Sandy	132	157
Clay Sandy & Rocky	157	159
Gravel	159	164
Clay W/ Gravel Layers	164	170
Gravel W/ a few clay layers	170	178
Clay Gray	178	185
Gravel	185	189
Clay Gray	189	203
Chalk Tan	203	209
Chalk Gray/ white	209	225

Ernie Nemminga TH # 2 Avon SD

Top Soil	0	6
Clay Brown	6	27
Clay Blue	27	31
Gravel & Clay	31	40
Clay Blue Sandy & Pebbly	40	132
Clay hard Blue	132	162
Gravel	162	167
Clay	167	187
Sand & Gravel	187	206
Clay	206	212
Gravel med w/ coarse layers	212	229
Clay Gray	229	237
Chalk	237	240